

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 09322175  
 PUBLICATION DATE : 12-12-97

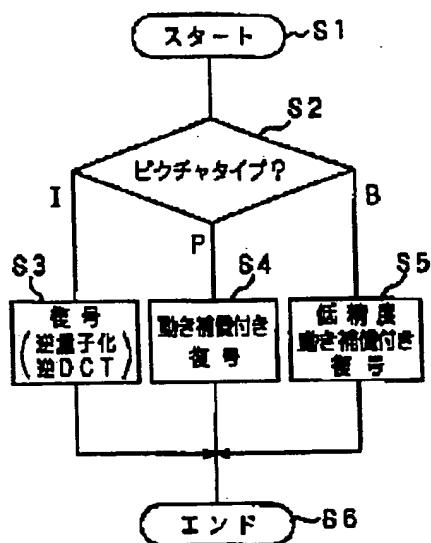
APPLICATION DATE : 30-05-96  
 APPLICATION NUMBER : 08137214

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INT.CL. : H04N 7/32 H03M 7/36

TITLE : METHOD AND DEVICE FOR  
 DECODING TIME VARYING IMAGE



**ABSTRACT :** PROBLEM TO BE SOLVED: To attain high speed processing by relieving the load of arithmetic operation of the interpolation processing to generate a predicted image while suppressing the effect onto a decoded time-varying image thereby reducing the time required for the processing.

SOLUTION: In the case of decoding an original time-varying image by decoding coded data of a compressed time-varying image through motion compensation, a picture type is discriminated in the step S2, and in the case of an in-frame coded image (I picture), decoding processing by inverse quantization and inverse discrete cosine transformation(DCT) in the step S3, and in the case of an inter-frame forward prediction coded image (P picture), decoding processing attended with motion compensation with half picture element accuracy is conducted in the step S4, and in the case of a B picture, decoding processing attended with motion compensation with low accuracy such as disregarding fractions of a motion vector to be an integer is conducted in the step S5.

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